EAST Search History

Re f #	Hits	Search Query	DBs	Defau It Opera tor	Plur als	Time Stamp
L1	373	(548/316.4).CCLS.	US-PGP UB; USPAT; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	OR	OFF	2007/06/24 13:29
L2	798	(548/311.1).CCLS.	US-PGP UB; USPAT; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	OR	OFF	2007/06/24 13:30
L3	138	I1 and urea	US-PGP UB; USPAT; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/24 13:30

EAST Search History

L4	196	I2 and urea	US-PGP UB; USPAT; USOCR ; EPO; JPO; DERWE NT; IBM_T	OR	ON	2007/06/24 13:30
L5	6	I3 and I4	US-PGP UB; USPAT; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/24 13:30

6/24/07 1:31:06 PM Page 2

NEWS PHONE Direct Dial and Telecommunication Network Access to STN NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 15:35:23 ON 07 AUG 2005

=> file reg COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 15:35:39 ON 07 AUG 2005 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 5 AUG 2005 HIGHEST RN 858648-31-4 DICTIONARY FILE UPDATES: 5 AUG 2005 HIGHEST RN 858648-31-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

Uploading C:\Program Files\Stnexp\Queries\10510439.str

L1 STRUCTURE UPLOADED

SAEED Page 2

=> d
L1 HAS NO ANSWERS
L1 STR
/ Structure 1 in file .gra /

Structure attributes must be viewed using STN Express query preparation.

50 ANSWERS

=> s 11 SAMPLE SEARCH INITIATED 15:36:03 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 13197 TO ITERATE

15.2% PROCESSED 2000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 257059 TO 270821

PROJECTED ANSWERS: 14023 TO 17385

L2 50 SEA SSS SAM L1

=> s 11 full FULL SEARCH INITIATED 15:36:11 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 263453 TO ITERATE

100.0% PROCESSED 263453 ITERATIONS 14413 ANSWERS SEARCH TIME: 00.00.03

L3 14413 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST
161.33
161.54

FILE 'CAPLUS' ENTERED AT 15:36:21 ON 07 AUG 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 7 Aug 2005 VOL 143 ISS 7 FILE LAST UPDATED: 5 Aug 2005 (20050805/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

SAEED Page 3

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13 and ephedrine

23578 L3

8893 EPHEDRINE

271 EPHEDRINES

8933 EPHEDRINE

(EPHEDRINE OR EPHEDRINES)

L4

50 L3 AND EPHEDRINE

=> s 14 and urea

201500 UREA

9216 UREAS

204295 UREA

(UREA OR UREAS)

L5

15 L4 AND UREA

=> d ibib abs hitstr tot

SAEED

```
L5 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2005 ACS ON STN ACCESSION NUMBER: 2004:780544 CAPLUS DOCUMENT NUMBER: 141:301421 TITLE: Improved by
                                                                   Improved bicavailability and improved delivery of
                                                                  Improved Dioavaliability and improved alkaline drugs
Yu, Ruey J.; Van Scott, Eugene J.
USA
PCT Int. Appl., 41 pp.
CODEN: PIXXD2
 INVENTOR (S):
  PATENT ASSIGNEE(S):
 SOURCE:
 DOCUMENT TYPE:
                                                                   Patent
 FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
               PATENT NO.
                                                                   KIND
                                                                                    DATE
                                                                                                                    APPLICATION NO.
                                                                                                                                                                                 DATE
MNO 2004080468 A1 20040923 W0 2004-U966699 20040303

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CR,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SX, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RN: BM, GR, GM, KE, LS, MN, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CR, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI
SK, TR, BF, BJ, CF, CG, CI, CM, GA, CN, GQ, GW, ML, MR, NE, SN,
TD, TG
US 2004214215 A1 20041028 US 2004-792273 20040304
PRIORITY APPLN. INFO::
                                                                                                                    US 2004-792273
                                                                                                                                                                         A 20040304
 OTHER SOURCE(S): MARPAT 141:301421
AB Embodiments of the invention relate to a composition, a process of making the
               g the composition, and to the use of the composition. The compns. include a
               complex
formed between an alkaline pharmaceutical and at least one selected from
               hydroxyscid, a polyhydroxy scid, a related acid, a lactone, or combinations thereof. The compns. provide improved bioavailability and improved delivery of the drug into the cutaneous tissues. For example, diphenhydramine hydrochloride 29 g (0.1 mol) was dissolved in water (50 mb) and 80 section hydroxide (20 mL) was alowly added to generate diphenhydramine as a free base as shown by the formation of oily ppts.
               the change from pH 5.5 to 9.4. Gluconolactone 18 g (0.1 mol) was added
               form a mol. complex between the diphenhydramine free base and gluconic acid/gluconolactone as shown by the disappearance of the oily ppts. and the change from pH 9.4 to 7.4. The solution thus obtained contained 0.1
 diphenhydramine in mol. complex with 0.1 mol gluconic acid/gluconolactone.

This concentrated stock solution was used for various forms of topical formulations
  L5 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:818401 CAPLUS
DOCUMENT NUMBER: 139:307763
Method for the production of chiral
inidazolidin-2-ones via the cyclocondensation of
aminoalcohols with urea
INVENTOR(S): Ernst, Hansgeorg, Koppenhoefer, Juergen; Klein,
                                                                   Daniela
Basf Aktiengesellschaft, Germany-
PCT Int. Appl., 10 pp.
CODEN: PIXXD2
Patent
   PATENT ASSIGNEE(S):
SOURCE:
   DOCUMENT TYPE:
   FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
             APPLICATION NO.
WO 2003-EP3615
               PATENT NO.
   PRIORITY APPLN. INFO.:
                                                                                                                      WO 2003-EP3615
                                                                   CASREACT 139:307763; MARPAT 139:307763
   OTHER SOURCE(S):
   / Structure 3 in file .gra /
               Chiral imidazolidin-2-ones [I: R1 = C1-8 alkyl, cyclohexyl, (un)substituted Ph, (un)substituted naphthyl: R2 = alkyl, alkenyl, cyclohexyl, Ph, or a (un)substituted phenylalkyl; R3 = alkyl, alke cyclohexyl, (un)substituted phenyl] are prepared in high yield by
   cyclohexyi, (un) substituted phenyi at property and cyclohexyi, (un) substituted phenyi at a minoalc. HOCH(R1)CH(R2)NHR3 [e.g., (15,2R)-ephedrine] or an aminoalc. salt with urea in the presence of a non-volatile ammonium salt (e.g., ammonium sulfamate), with the cyclocondensation reaction being carried out in the presence of an aprotic, polar organic solvent (e.g., NMP).

IT 92641-65-1P 112791-04-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
```

```
ANSWER 1 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) including oil-in-water creams, lotions, gels and solns. 106516-24-9, Sertindole RL: THU (Therspeutic use); BIOL (Biological study); USES (Uses) (improved biosvailability and improved delivery of alkaline drugs
         hydroxy acids)
106516-24-9 CAPLUS
         2-Imidazolidinone, 1-{2-[4-[5-chloro-1-(4-fluorophenyl)-lH-indol-3-yl]-1-piperidinyl}ethyl]- (9CI) (CA INDEX NAME)
/ Structure 2 in file .gra /
REFERENCE COUNT:
                                                                 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT
```

```
L5 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

(method for the prodn. of chiral imidazolidin-2-ones via the
cyclocondensation of aminoalcs. with urea)

RN 92841-65-1 CAPLUS

CN 2-Imidazolidinone, 1,5-dimethyl-4-phenyl-, (4R,5S)- (9CI) (CA INDEX NAME)
 Absolute stereochemistry. Rotation (-).
/ Structure 4 in file .gra /
RN 112791-04-5 CAPLUS
CN 2-Imidazolidinone, 1,5-dimethyl-4-phenyl-, (45,5R)- (9CI) (CA INDEX NAME)
Absolute stereochemistry. Rotation (+).
/ Structure 5 in file .gra /
```

```
L5 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:832746 CAPLUS
DOCUMENT NUMBER: 137:352492
                                                                                                                                                                                                                                                                                                                                                                                                 L5 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (Continued)
                                                                                                                                                                                                                                                                                                                                                                                                 / Structure 6 in file .gra /
DOCUMENT NUMBER:
TITLE:
                                                                                                          137:352492
Copper-catalyzed formation of carbon-heteroatom and carbon-carbon bonds by arylation and vinylation of amines, amides, hydrazides, heterocycles, alcohols, enclates, and malonates, using aryl, heteroaryl, and vinyl halides and analogs
Buchwald, Stephen L.; Klapars, Artis; Antilla, Jon
                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to copper-catalyzed carbon-heteroatom and carbon-carbon bond-forming methods. More specifically, it relates to the arylation, heteroarylation, and vinylation of compds. with nucleophilic
INVENTOR(S):
                                                                                                                                                                                                                                                                                                                                                                                                                       O, and C atoms, by aryl and vinyl halides and sulfonates, using various Cu-based catalysts and suitable ligands. The methods provide an inexpensive alternative to corresponding pelladium-catalyzed reactions. Thus, the invention includes copper-catalyzed methods of forming a carbon-nitrogen bond between the nitrogen atom of an amide or amine
                                                                                                         Job, Gabriel E.; Wolter, Martina; Kwong, Fuk Y.;
Nordmann, Gero: Hennessy, Edward J.
Massachusetts Institute of Technology, USA
PCT Int. Appl., 306 pp.
CODEN: PIXXD2
Patent
PATENT ASSIGNEE(5):
                                                                                                                                                                                                                                                                                                                                                                                                                        y and the activated carbon of an aryl, heteroaryl, or vinyl halide or sulfonate. The invention provides similar copper-catalyzed reactions of acyl hydrazines (i.e., hydrazides). The invention further relates to copper-catalyzed arylation and vinylation of nitrogen-containing
DOCUMENT TYPE:
 LANGUAGE:
                                                                                                           English
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                 copper-catalyzed elyaction.
heteroarcoms.,
e.g., indole, pyrazole, and indazole, at nitrogen. Similarly, the
invention provides copper-catalyzed arylation and vinylation of alcs. at
the oxygen atom. Finally, the invention provides copper-catalyzed
                     PATENT NO.
                                                                                                           KIND
                                                                                                                                   DATE
                                                                                                                                                                                           APPLICATION NO.
                                                                                                                                                                                                                                                                                               DATE
                                                     085838 A1 20021031 W0 2002-US12785 20020424
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CC, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JF, KE, KG, KF, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MM, MX, M2, NO, NZ, OM, PI, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TM, TR, TT, TU, UA, UG, UZ, VN, YU, ZA, ZM, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ,
                     WO 2002085838
                                                                                                                                                                                                                                                                                                                                                                                                                        of forming a carbon-carbon bond between reactants with nucleophilic
                                                                                                                                                                                                                                                                                                                                                                                                  carbo
                                                                                                                                                                                                                                                                                                                                                                                                                         atoms, e.g., an enolate or malonate anion, and the activated carbon of
                                                                                                                                                                                                                                                                                                                                                                                                                       aryl, heteroaryl, or vinyl halides or sulfonates. Importantly, all of
                    RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
CY, DE, DX, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
CA 2445159 AA 20021031 CA 2002-245159 20020424
US 2003065187 A1 20030403 US 2002-128981 20020424
US 6759554 B2 20040706
EP 1390340 A1 20040225 EP 2002-728925 20020424
                                                                                                                                                                                                                                                                                                                                                                                                                        invention methods are relatively inexpensive to practice due to the low cost of the copper catalysts. For example, a claimed method for amines, amides, and hydrazides involves reaction of halides and sulfonates 2-X [Z = (un)substituted aryl, heteroaryl, or alkenyl; X = iodo, Br, Cl, alkylsulfonate, arylsulfonate] with amines and derivs. R-NH-R' [R =
                                                                                                                                                                                                                                                                                                                                                                                                                     alkylaulfonate, arylsulfonate] with amines and derivs. R-NH-R' [R = 1, cycloalkyl aralkyl, aryl, heteroaryl, formyl, acyl, alkoxycarbonyl, arylamino, etc., R' = M, alkyl, cycloalkyl, theterolarelkyl, (heterolaryl, formyl, acyl, amino, or amidino; with proviseo] in the presence of a copper atom or ion and a ligand in the presence of a Bronsted base, yielding a corresponding aryleted or vinylated product 2-NRN'. Thus, arylation of benzamide with allyl 4-iodobanzoate in dioxane solvent in the presence of CuI (catalyst), trans-1,2-cyclohexamediamine (ligand), and XPO4 (base), at 110° in a resealable Schlenk tube, gave the expected product I in 91 kyiadd. Similarly, 2-pyrroladinone was N-heteroarylated by 2-iodothiophene under the same conditions to give II in quant. yield. Indole was N-arylated by 4-bromotoluene to give III in 95 yield. A similar reaction of (E)-2-undecen-1-ol with (E)-1-iodo-1-decene using CuI, 3,4,7,8-tetramethyl-1,10-phenantholine, and Ca2CO3 in PhMe at 80°, gave 68% (E,E)-1-idec-1-enyloxylundec-2-ene.
14599-72-59, N-(3-Mathoxyphenyl)-2-inidazolidone
RL: KCT (Reactant) SPM (Synthetic preparation), PREP (Preparation), RACT (Reactant or reagent)
(arylation product and arylation substrate, inexpensive copper-catalyzed arylation and vinylation of amines, amides,
                                    1390340 Al 20040225 EP 2002-728925 20020424
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
1518534 A 20040094 CN 2002-812587 20020424
2004536798 T2 20041209 JP 2002-893366 20020424
2004019216 Al 20040129 US 2003-435719 20030508
                     CN 1518534
                       JP 2004536798
                      US 2004019216
                       US 6867298
PRIORITY APPLN. INFO.:
                                                                                                                                                                                            US 2001-286268P
                                                                                                                                                                                                                                                                                  P 20010424
                                                                                                                                                                                             US 2001-348014P
                                                                                                                                                                                                                                                                                  P 20011024
                                                                                                                                                                                             US 2001-344208P
                                                                                                                                                                                                                                                                                  P 20011221
                                                                                                                                                                                             US 2002-128981
                                                                                                                                                                                                                                                                                  A3 20020424
                                                                                                                                                                                             WO 2002-US12785
                                                                                                                                                                                                                                                                                  W 20020424
 OTHER SOURCE(S):
                                                                                                          CASREACT 137:352492; MARPAT 137:352492
                                                                                                                                                                                                                                                                                                                                                                                                   LS ANSWER 4 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:50628 CAPLUS
DOCUMENT NUMBER: 134:117537
Process of making imidazolidin-2-one derivatives
FINVENTOR(S): Pridgen, Lendon N.
SMITCHARLING SCHOOL SC
                  ANSWER 3 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
heterocycles, alcs., and enclates, using aryl, heteroaryl, and vinyl
halides and analogs)
14599-72-5 CAPLUS
2-Imidazolidinone, 1-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)
  / Structure 7 in file .gra /
                     120-93-4, 2-Imidazolidone
RL: RCT (Reactant): RACT (Reactant or reagent)
(arylation substrate: inexpensive copper-catalyzed arylation and
vinylation of amines, amides, haterocycles, alcs., and enclates, using
aryl, heteroaryl, and vinyl halides and analogs)
120-93-4 CAPLUS
                                                                                                                                                                                                                                                                                                                                                                                                    DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                 MO 2001004098 A1 20010118 W0 2000-US18691 20000707

W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CZ, DZ, EE, GE, GH, GM, RR,
HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK,
MN, MX, MZ, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, TZ, UA, US,
UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1210334 A1 20020605 EP 2000-0947137 20000707

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FY, RO, MK, CY, AL

JP 2003504357 T2 20030204 JP 2001-509709 20000707

PRIORITY APPLN. INFO::
                      120-93-4 CAPLUS
2-Imidazolidinone (6CI, 8CI, 9CI) (CA INDEX NAME)
  / Structure 8 in file .gra /
                                                                                                        . 1
                                                                                                                                      THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
  REFERENCE COUNT:
   FORMAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO 2000-U518691
                                                                                                                                                                                                                                                                                                                                                                                                    OTHER SOURCE(S):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MARPAT 134:117537
                                                                                                                                                                                                                                                                                                                                                                                                    / Structure 9 in file .gra /
                                                                                                                                                                                                                                                                                                                                                                                                                     Imidarolidin-2-one derivs., chiral auxiliary intermediates useful in the asym. syntheses of organic compds., are prepared by the reaction of ephedrine derivs. with urea in the presence of H2NSO3NH4. Thus, heating urea 16.4, H2NSO3NH4 10.35 and L-ephedrine 14.36 kg in 36 L PhMe under N, removing PhMe at 98° and heating the residue for 1.5 h at 175-180° with removal of NH3 gave 10.7 kg crude (4R,58)-1,5-dimethyl-4-phenylimidazolidin-2-one (1) m. 174-5° (from MeCN/H2O 93:7), [a]25D -96.3° (c 1.0, CH2C12); [a]25D -46° (c 1.0, MeON). 112791-04-5
RL: PEP (Physical, engineering or chemical process); PROC (Process) (process of making imidazolidin-2-one enantiomer from Dephedrine and urea and ammonium sulfamate) 112791-04-5 CAPLUS
2-Inidazolidinone, 1,5-dimethyl-4-phenyl-, (45,5R)- (9CI) (CA INDEX 31)
```

Absolute stereochemistry. Rotation (+).

/ Structure 10 in file .gra /

```
LS ANSWER 4 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

IT 92841-65-1P
RL: SPN (Synthetic preparation): PREP (Preparation)
(process of making imidezolidin-2-one enantiomer from L-
ephedrine and urea and ammonium sulfamate)
RN 92841-65-1 CAPLUS
CN 2-Imidarolidinone, 1,5-dimethyl-4-phenyl-, (4R,5S)- (9CI) (CA INDEX NAME)

Absolute atereochemistry. Rotation (-).

/ Structure 11 in file .gra /
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
```

LS ANSWER 5 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) component from the matrix may be delayed or controlled over time so that the active component is delivered when and where it is needed to perform its intended function. Controlled release, discrete, solid particles which contain an encapsulated and/or embedded component such as a heat active component are continuously produced without substantial destruction of the matrix material or encapsulant.

IT 58-85-5
RI: FFD (Food or feed use); BIOL (Biological study); USES (Uses) (encapsulation of sensitive liquid components into matrix to obtain discrete shelf-stable particles)
RN 58-85-5 CAPLUS
CN 1H-Thien(3,4-d)imidazole-4-pentanoic acid, hexahydro-2-oxo-, (Jas,48,6aR)- (SCI) (CA INDEX NAME)
Absolute stereochemistry. Rotation (+).

/ Structure 12 in file .gra /
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

```
L5 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2000:259972 CAPLUS
DOCUMENT NUMBER: 132:293042
Encapsulation of sensitive liquid components into a matrix to obtain discrete shelf-stable particles
Van Lengerich, Bernhard H.
PATENT ASSIGNEE(S): General Mills, Inc., USA
PCT Int. Appl., 56 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
CAUDEN: i
Patent
MANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:
              PATENT NO.
                                                                                                                       APPLICATION NO.
                                                                                                                                                                                     DATE
             KIND DATE
              ### 1119345 ### 20041104 ### 13991006

### 1119345 ### 20010801 ### 13991006

### AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

### 1E, SI, LT, LV, FI, RO

JP 2002527375 T2 20020827 JP 2000-575480
                                                                                                                       US 1998-109696P
                                                                                                                                                                             P 19981124
                                                                                                                       119 1999-231443
                                                                                                                                                                             A 19990120
                                                                                                                        WO 1999-US20905
                                                                                                                                                                             w 19991006
             A liquid encapsulant component which contains an active, sensitive encapsulant, such as a live microorganism or an enzyme dissolved or dispersed in a liquid plasticizer is admixed with a plasticizable matrix material. The matrix material is plasticizable by the liquid plasticize and the encapsulation of the active encapsulant is accomplished at a low temperature and under low shear conditions. The active component is encapsulated and/or embedded in the plasticizable matrix component or material in a continuous process to produce discrete, solid particles. The liquid content of the liquid encapsulant component provides itsnetially.
  substantially all of the liquid plasticizer needed to plasticize the matrix component to obtain a formable, extrudable, cuttable, mixture or dough. Removal of liquid plasticizer prior to extrusion is not needed to adjust the viscosity of the mixture for formablity. Release of an
  LS ANSWER 6 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1999:784331 CAPLUS
DOCUMENT NUMBER: 132:20747
TITLE: Surface regeneration of biosensors using a
                                                                    of solutions based on interaction-specific optimized processes
Anderson, Karl; Hamaleinen, Markku; Malmqvist,
Magnus; Roos, Hakan
Biacore AB, Swed.
PCT Int. Appl., 133 pp.
CODEN: PIXXD2
Patent
Inglish
   PATENT ASSIGNEE(S):
SOURCE:
   DOCUMENT TYPE:
    LANGUAGE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
  APPLICATION NO.
                                                                                                                          WO 1999-SE921
                                                                                                                                                                               w 19990531
   AB Surface regeneration of affinity biosensors and characterization of biomole. associated therewith by multivariate technique employing cocktails
                of regeneration agents to optimize regeneration of biosensor surface and/or characterize biomols. associated therewith. Kits and stock
                s. for
use in the context of this invention, as well as associated computer
algorithms are also disclosed. Stock solns. of regeneration cocktails
                 prepared and combined. Solns. are acidic, basic, ionic, organic,
  prepared and combined. Soins are actuit, the property of the containing biosensors for various affinity bindings are cheleting agent containing Biosensors for various affinity bindings are regenerated by the method; the affinity reactions are used for optimizing the regeneration process. Immuno-reactions, nucleic acid hybridization, avidin/aftreptavidin-biotin, hormone-hormone receptor interactions are performed with Biocore instruments and CMS sensor chips.

IT S0-85-8
RI: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses) (aurface regeneration of biosensors using a combination of soins.
                on interaction-specific optimized processes) 58-85-5 CAPLUS
```

58-85-5 CAPLUS
1H-Thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-,
(3as,4s,6as)- (9CI) (CA INDEX NAME)

Absolute stereochemistry, Rotation (+).

```
L5 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) / Structure 13 in file gra /
```

```
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
```

FORMAT

```
L5 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2005 AC9 on STN ACCESSION NUMBER: 1999:24485 CAPLUS DOCUMENT NUMBER: 130:182498 1.3-HAPPARTITLE: 1.3-HAPPARTITLE:
                                                                           130:182498

1,3-Heterazolidin-2-ones as starting materials for optically active 1,3,2-oxazaborolines and 1,3,2-diazaboroline derived from sphedrines Cruz, Alejandro; Geniz, Erika; Contreras, Rosalinda Departamento de Quinica, Centro de Investigacion y de Estudios Avanzados del IPN. A.P., 07000, Mex. Tetrahedron: Asymmetry (1998), 9(22), 3991-3996 CODEN: TASYE3; ISSN: 0957-4166
Elsevier Science Ltd.
 AUTHOR(S):
CORPORATE SOURCE:
 SOURCE:
  PUBLISHER:
  DOCUMENT TYPE:
LANGUAGE:
                                                                             Journal
                                                                             English
CASREACT 130:182498
  OTHER SOURCE(S):
 / Structure 14 in file .gra /
              Dimethylphenyloxazaboroline I derived from pseudoephedrine and trimethylphenyldiazaboroline II derived from ephedrine have been prepared from the corresponding oxazolidinone and imidazolidinone. Hydrolysis of II afforded the N.N'-dimethylphenylpropylamine III. The structures were established from 1H, 13C and 11B NMR data. The X-ray diffraction anal. of dimethylphenyldiazolidin-2-one IV was performed. Isomeric N-monoborane adducts of II were prepared, and their structures
deduced from the NMR data.

IT 112791-04-5P
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and crystal structure of an optically active oxazolidinone derived from ephedrine)
RN 112791-04-5 CAPEUS
CN 2-Imidazolidinone, 1,5-dimethyl-4-phenyl-, (45,5R)- (9CI) (CA INDEX NAME)
  Absolute stereochemistry. Rotation (+).
  / Structure 15 in file .gra /
   REFERENCE COUNT:
                                                                       11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR
                                                                                               RECORD. ALL CITATIONS AVAILABLE IN THE RE
  FORMAT
```

```
L5 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 1996:132037 CAPLUS
DOCUMENT NUMBER: 124:317052
                                                                                                                Synthesis
Caddick, Stephen; Jenkins, Kerry
School Chemistry, Univ. Sussex, Brighton, BN1 9QJ, UK
Tetrahedron Letters (1996), 37(8), 1301-4
CODEN: TELAY: ISSN: 0040-4039
Elsevier
  TITLE:
  AUTHOR (S):
   CORPORATE SOURCE:
   SOURCE:
   PUBLISHER:
   DOCUMENT TYPE:
   LANGUAGE: English
AB Two different and complementary auxiliary-based dynamic resolution
   processes
were developed; the use of crystallization-induced dynamic resolution
   and/or dynamic kinetic resolution enables the preparation of either enantiomeric
   product using a single chiral auxiliary as illustrated in the preparation of D or
single chiral auxiliary as illustrated in the preparation of D or L-slanine derivs. The treatment of derivs. The treatment of (4R-cis)-1,5-dimethyl-4-phenyl-2-imidazolidinone with 2-bromopropanoyl chloride gave a mixture of epimers, i.e., (4R-[1(28*)40,50])-2-(2-bromo-1-oxopropyl)-1,5-dimethyl-4-phenyl-2-oxazolidinone and [4R-[1(2R*)40,50])-2-(2-bromo-1-oxopropyl)-1,5-dimethyl-4-phenyl-2-oxazolidinone. Treatment of this epimeric mixture with a halide source, e.g. tetrabutylammonium bromide, under equilibrating conditions allowed the isolation of [4R-[1(2R*)40,50])-2-(2-bromo-1-oxopropyl)],5-dimethyl-4-phenyl-2-oxazolidinone in 91% yield (98% enantiomeric excess). The equilibration possibly proceeds by a nucleophilic displacement process.

IT 92841-65-1P, (4R-cis)-1,5-Dimethyl-4-phenyl-2-imidazolidinone RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); CRCT (Resciant); SPN (Synthetic preparation); PREP (Preparation); PREP (PREPARATION
   L-alaning
    NAME
   Absolute stereochemistry. Rotation (-).
   / Structure 16 in file .gra /
```

```
LS ANSWER 9 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1994:217432 CAPLUS
DOCUMENT NUMBER: 120:217432 CAPLUS
TITLE: Ephedrine-derived imidazolidin-2-ones. Broad utility chiral auxiliaries in asymmetric synthesis utility chiral auxiliaries in asymmetric synthesis OFENGEY H. P.
CORPORATE SOURCE: Dep. Chem., Univ. Natal, Pietermaritzburg, 3200, S.
Afr.
SOURCE: Chemische Berichte (1993), 126(12), 2663-73
CODEN: CHBEAM; ISSN: 0009-2940
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 120:217432

GI

AB The scope of the readily available (4R,5S)-1,5-dimethyl-4-
phenylimidazolidin-2-one (1; R = Ph) and its 4-cyclohexyl analog I (R = cyclohexyl) as practical, efficient chiral auxiliaries has been demonstrated. The enclate chemical of N-acyl derive. of I exhibits features
which recommend their use in asym. synthesis. The stereoselective boron-mediated aldol as well as alkylation and acylation results are presented. The steric control benefit derived by conversion of Ph to cyclohexyl is highlighted.

IT 92041-65-1 142061-15-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation as chiral auxiliary in asym. synthesis of acyclic systems via aldol condensation, alkylation or acylation reactions)
RN 9241-65-1 CAPLUS
CN 2-Imidazolidinone, 1,5-dimethyl-4-phenyl-, (4R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

/ Structure 18 in file .gra /
RN 142061-15-2 CAPLUS
CN 2-Imidazolidinone, 4-cyclohexyl-1,5-dimethyl-, (4R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
```

/ Structure 19 in file .gra /

AUTHOR (S):

CORPORATE SOURCE:

DOCUMENT TYPE:

OTHER SOURCE(S):

/ Structure 20 in file .gra /

LS ANSWER 10 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 1992:174316 CAPLUS DOCUMENT NUMBER: 116:174316 TITLE: Diasterage 1

Journal

CASREACT 116:174316

116:174316
Diastereoselective additions of alkyl-, alkenyl-,
aryl- and allylcuprates to chiral unsaturated imides
Melnyk, Oleg: Stephan, Elie; Pourcelot, Guy; Cresson,
Pierre
Lab. Synth. Org., ENSCP, Paris, 75231, Fr.
Tetrahedron (1992), 48(5), 841-50
CODEN: TETRAB; ISSN: 0040-4020

```
Some diastereoselective conjugate addns. of cuprates to chiral unsatd.
imides I (R - Me, Et, Pr, Ph, 4-MecGH4) show an impressive
stereoselectivity. The chiral (internal auxiliary dependent) group is
easily cleaved and recycled. The steric course of these reactions seems
quite general and its development synthetically promising.
92841-65-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
[preparation and acylation of)
92841-65-1 CAPLUS
2-Imidazolidinone, 1,5-dimethyl-4-phenyl-, (4R,55)- (9CI) (CA INDEX
))
Absolute stereochemistry. Rotation (-).
/ Structure 21 in file .gra /
 L5 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1988:590602 CAPLUS
DOCUMENT NUMBER: 109:190602
Synthesis of (R)-(+)- and (S)-(-)-α-damascone by tandem Grignard reaction-enantioselective
                                                                              evidence for the intermediacy of a chiral complex Fehr, Charles; Galindo, Jose Res. Lab., Firmenich S. A., Geneva, CH-1211, Switz. Journal of the American Chemical Society (1988). 110(20), 6909-11 CODEN: JACSAT; ISSN: 0002-7863 Journal English
 protonation
 AUTHOR(S):
CORPORATE SOURCE:
SOURCE:
  DOCUMENT TYPE:
  LANGUAGE:
OTHER SOURCE(S):
                                                                               English
CASREACT 109:190602
  / Structure 23 in file .gra /
                The lithium enclate of Me u-cyclogeranate (I; R, Rl = H, CO2Me) or the related ketene reacts with H2C:CHCH2MgCl to afford regio- and disastereoselectively a ketone enclate II which is then protonated with high enantioselectivity (up to 84% ee) by judicious choice of the proton source (an ephedrine derivative). A prerequisite for high enantioselectivity involves the formation of a mixed Li, Mg-complex between the enclate and a chiral alkoxide. Protonation of this complex with tert-Bu alc. is also enantioselective (62% ee). This tandem nard
  Grignard
                  hard reaction-enantioselective protonation has allowed the first synthesis of enantiomerically pure (R)-(+)-(I), R=COCH:CHMe, RI=H) and (S)-(-)-\alpha-damascone (I), R=H, RI=COCH:CHMe) from a common
                (S)-(-)-d-damascone (1; R = H, R1 = Countends) from a common precursor.

92841-65-1 12791-04-5
RL: RCT (Reactant): RACT (Reactant or reagent)
(enantioselective protonation by, of cyclohexenylbutanone enolate)
92841-65-1 CAPLUS
2-Imidazolidinone, 1,5-dimethyl-4-phenyl-, (4R,58)- (9CI) (CA INDEX
   Absolute stereochemistry. Rotation (-).
   / Structure 24 in file .gra /
             112791-04-5 CAPLUS
2-Imidezolidinone, 1,5-dimethyl-4-phenyl-, (4s,5R)- (9CI) (CA INDEX
   Absolute stereochemistry. Rotation (+).
   / Structure 25 in file .gra /
                  116559-65-0 116559-67-2
RL: RCT (Reactant): RACT (Reactant or reagent)
(mixed-metal complexation by, prior to enantioselective protonation)
116559-65-0 CAPLUS
2-Imidazolidinone, 1,5-dimethyl-4-phenyl-, lithium salt, (48-cis)- (9CI)
(CA INDEX NAME)
```

```
L5 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1991:223259 CAPLUS
DOCUMENT NUMBER: 114:223259
TITLE: Significant differences in the structural basis of
                                                             induction of sister chromatid exchanges and chromosomal aberrations in Chinese hamster overy
cells
AUTHOR(S):
                                                            Rosenkranz, Herbert S.: Ennever, Fanny K.; Dimayuga,
Mario; Klopman, Gilles
Dep. Environ. Health Sci., Case West. Reserve Univ.,
Cleveland, OB, USA
Environmental and Molecular Mutagenesis (1990),
CORPORATE SOURCE:
                                                             149-77
CODEN: EMMUEG; ISSN: 0893-6692
            DOCUMENT TYPE:
            Using the relevant National Toxicol. Program data bases, CASE identified
          set of structural determinants responsible for the induction of SCE and another one for Cvt. A comparison between the structural determinants associated with SCE and Cvt revealed an overlap of only 22.6%, while the overlap between SCE and the determinants of autogenicity in Salmonella is 54.5%. Apparently, the structural bases of the two phenomena differ; it is likely that SCE, but not Cvt, involves a significant electrophilic/DNA-damaging component.
58-85-5, Biotin
RL: ADV (Adverse effect, including toxicity): BIOL (Biological study) (genotoxicity of, computer program for evaluation of)
58-85-5 CAPLUS
HH-Thienof3, 4-dlimidazola-4-mentancic acid horshold.
             JOTUS CAPLUS
|H-Thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-,
|3aS,4S,6aR|- (9C1) (CA INDEX NAME)
 Absolute stereochemistry. Rotation (+).
 / Structure 22 in file .gra /
```

```
L5 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN Absolute stereochemistry. Rotation (+).
                                                                       (Continued)
/ Structure 26 in file .gra /
    116559-67-2 CAPLUS
      2-Imidazolidinone, 1,5-dimethyl-4-phenyl-, lithium salt, (4R-cis)- (9CI) (CA INDEX NAME)
Absolute stereochemistry. Rotation (-).
/ Structure 27 in file .gra /
```

```
L5 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 1976:95657 CAPLUS
DOCUMENT NUMBER: 84:95657
TITLE: Separate 1
                                                               Separate determination of L-ephedrine and
                                                              D-w- ephedzine
Mikhailova, L. N.; Preobrazhenskaya, M. N.;
Kadatskii,
                                                              G. M.; Sokolov, S. D.
Vses. Nauchno-Issled. Khim.-Farm. Inst. im.
Ordzhonikidze, Moscow, USSR
Khimiko-Farmatsevticheskii Zhurnal (1975), 9(11),
CORPORATE SOURCE:
SOURCE:
                                                               49-52
                                                              CODEN: KHFZAN; ISSN: 0023-1134
DOCUMENT TYPE:
                                                              Journal
           NUMGE: JOUINEA
UAGE: Russian
Only small amts. (.apprx.100 µg) of 1- ephedrine (I)
[299-42-3] and d-w- ephedrine (II) [90-82-4] can be separated by
thin-layer chromatog. on silica in 7:3:5 CHCl3-MeOH-Me2CO. To sep.
larger
amts. of I and II semiquant., a mixture of them (0.2 g) is reacted with
urea [57-13-6] (0.35 g) at 170-5" for 30 min and then at
200-10" for 1 hr. I is converted to (trans)-5-phenyl-3,4-dimethyl-
2-imidazolidinone (III) [58337-41-0] and II to
(cis)-5-phenyl-3,4-dimethyl-2-oxazolidinone (IV) [16251-46-0]. The
mixture
of III and IV is dissolved in 2 ml MeOH and 0.01 ml of the solution is
placed
            od on a thin layer of silica and chromatographed with Et20, 7:5 CHC13-Me2CO, or 5:2 Me2CO-cyclohexane. The Rf values of III are 0.35, 0.45, and 0.50, resp., and those of IV are 0.60, 0.80, and 0.95, resp. 58337-41-0
RL: FORM (Formation, nonpreparative)
(formation of, from ephedrine, chromatog, determination in relation
            to)
58337-41-0 CAPLUS
2-Imidazolidinons, 1,5-dimethyl-4-phenyl-, trans- (9CI) (CA INDEX NAME)
Relative stereochemistry.
/ Structure 28 in file .gra /
```

```
L5 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
/ Structure 29 in file .gra /
```

```
LS ANSWER 14 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1957:98887 CAPLUS
CORDINAL REFERENCE NO: 51:17805f-1,17806a
Electronic interpretation of organic reaction mechanisms. XIX. On the reactivity and conformation of

AUTHOR(S): Electronic interpretation of organic reaction mechanisms. XIX. On the reactivity and conformation of

AUTHOR(S): Osaka Univ., Sakai
SOURCE: Osaka Univ., Sakai
SOURCE: Osaka Univ., Sakai
CORPORATE SOURCE: Osaka Univ., Sakai
AB cf. c.A. 50, 16700h; 51, 11242d. Reaction velocity of
(-)-1-chloro-2-methylamino-1-phenylpropane nitrate (I) and
dl-vphi.-1-chloro-2-methylamino-1-phenylpropane nitrate (II) with AgnO3 was investigated using NH4CNS and HNO3 titration and it was found that there

was almost no difference. The reaction velocity of I with ale. KOH was studied and k2 was found to be 0.92 at -10.8° while II did not react under these conditions and at 25° k2 was less than half of that of I at -10.8°. Reaction velocity of I at 25° was too fast to measure. Treating 0.22 g. III in 20 cc. EtoH with 40 cc. 1/20N alc. KOH at 25° 3 h. gave 2,N-dimethyl-1-phenylethylenimine (III); picrate, m. 99-100°. I gave polymer on the same transment. These facts are in line with the chlorination of n-sphedriam (IV) and .yphi.-sphedrine (V) and can be attributed to the conformation of I and II, assuming Ph and methylamino groups to be trans, Me and Cl or OH groups to be gauche in the IV system and trans in the V system. In IV systems EZ reaction took place rather than the SnZ due to the resonance requirement. In the reaction with a ring intermediate, the V system would produce an intermediate with Ph and methylamino groups in cis position and the V system trans. Thus, the very reactive CNBr gave stereoisomers of 3,4-dimethyl-2-imino-5-phenylimidazolidine from IV and 3,4-dimethyl-5-phenylimidazolidine from IV a
```

```
LS ANSWER 15 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1951:19034 CAPLUS
DOCUMENT NUMBER: 45:19034
ORIGINAL REFERENCE NO.: 45:3356a-e
TITILE: The conformation of the ephedrines
CORPORATE SOURCE: Journal of Organic Chemistry (1950), 15, 1131-4
COORDINATE SOURCE: Journal OF Organic Chemistry (1950), 15, 1131-4
COORDINATE SOURCE: Journal OF Organic Chemistry (1950), 15, 1131-4
COORDINATE SOURCE: JOURNAL OF THE STREET OF THE SOURCE OF
```

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS SINCE FILE

FULL ESTIMATED COST ENTRY SESSION 79.23 240.77

TOTAL

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL

CA SUBSCRIBER PRICE ENTRY SESSION -10.95

STN INTERNATIONAL LOGOFF AT 15:37:53 ON 07 AUG 2005